

Phase Diagram

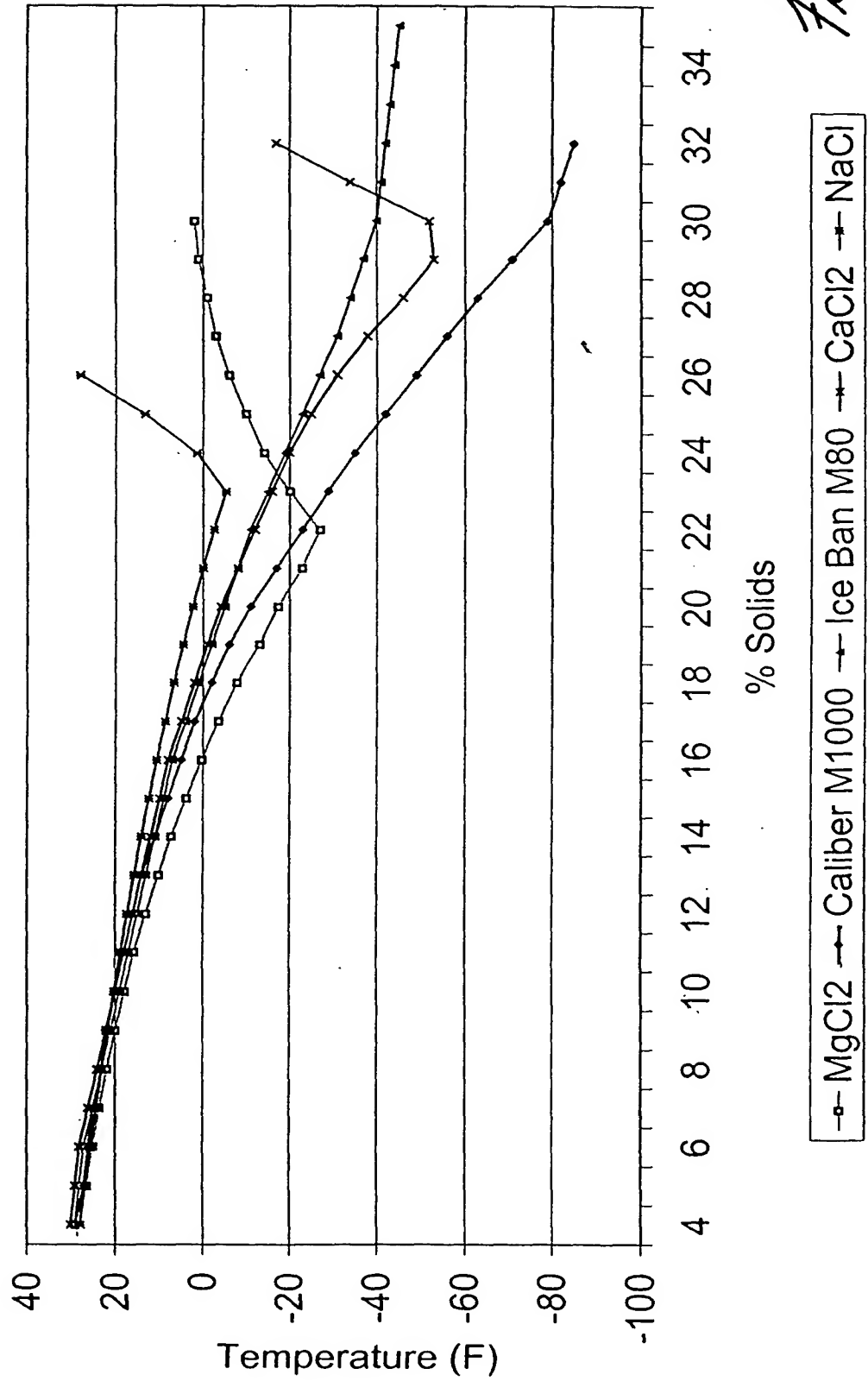
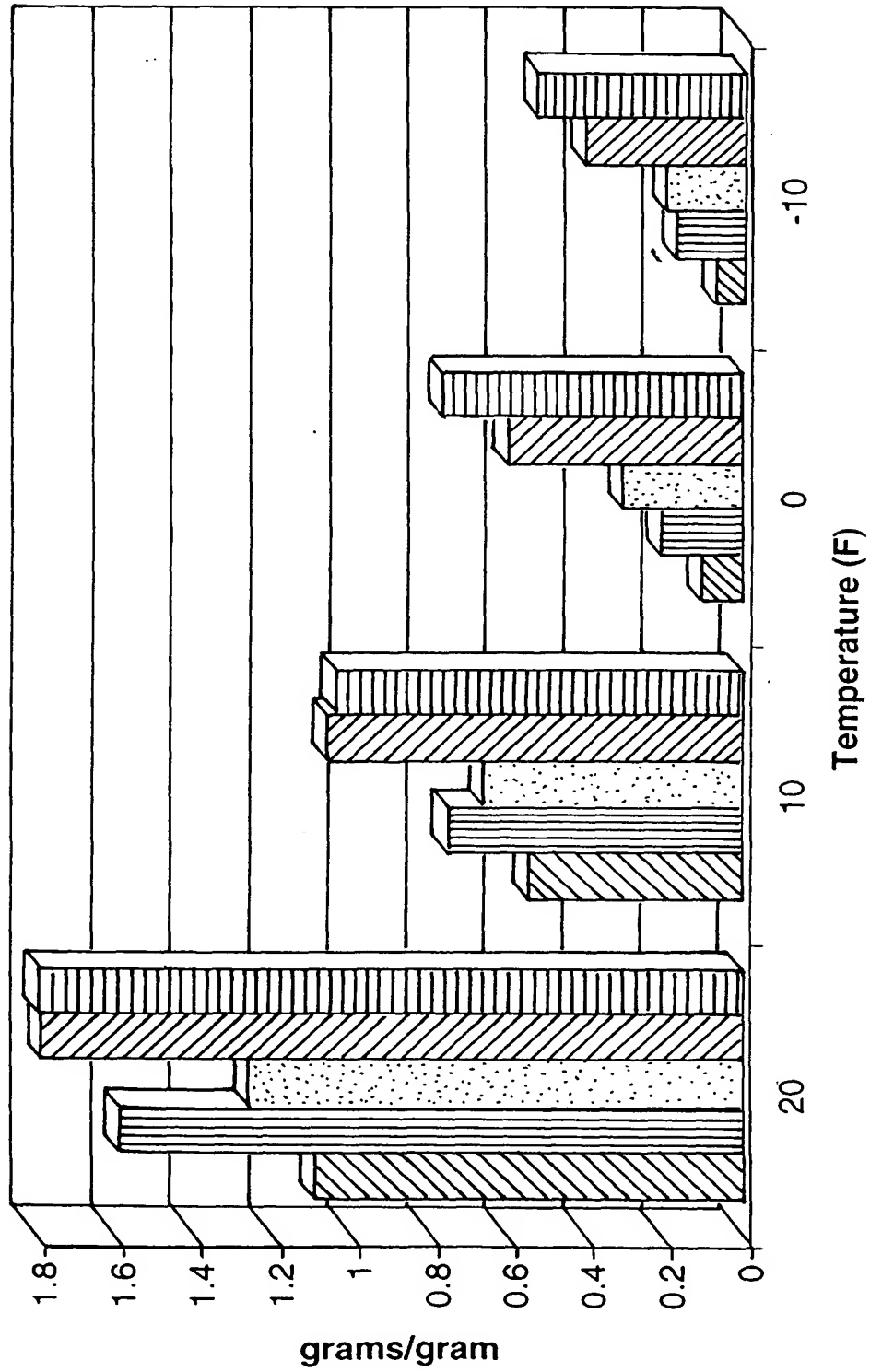


Fig. 1

Melting Capacities



30% CaCl₂ Caliber C1500 Caliber C1000-LS 30% MgCl₂ Caliber M1000

Fig. 2

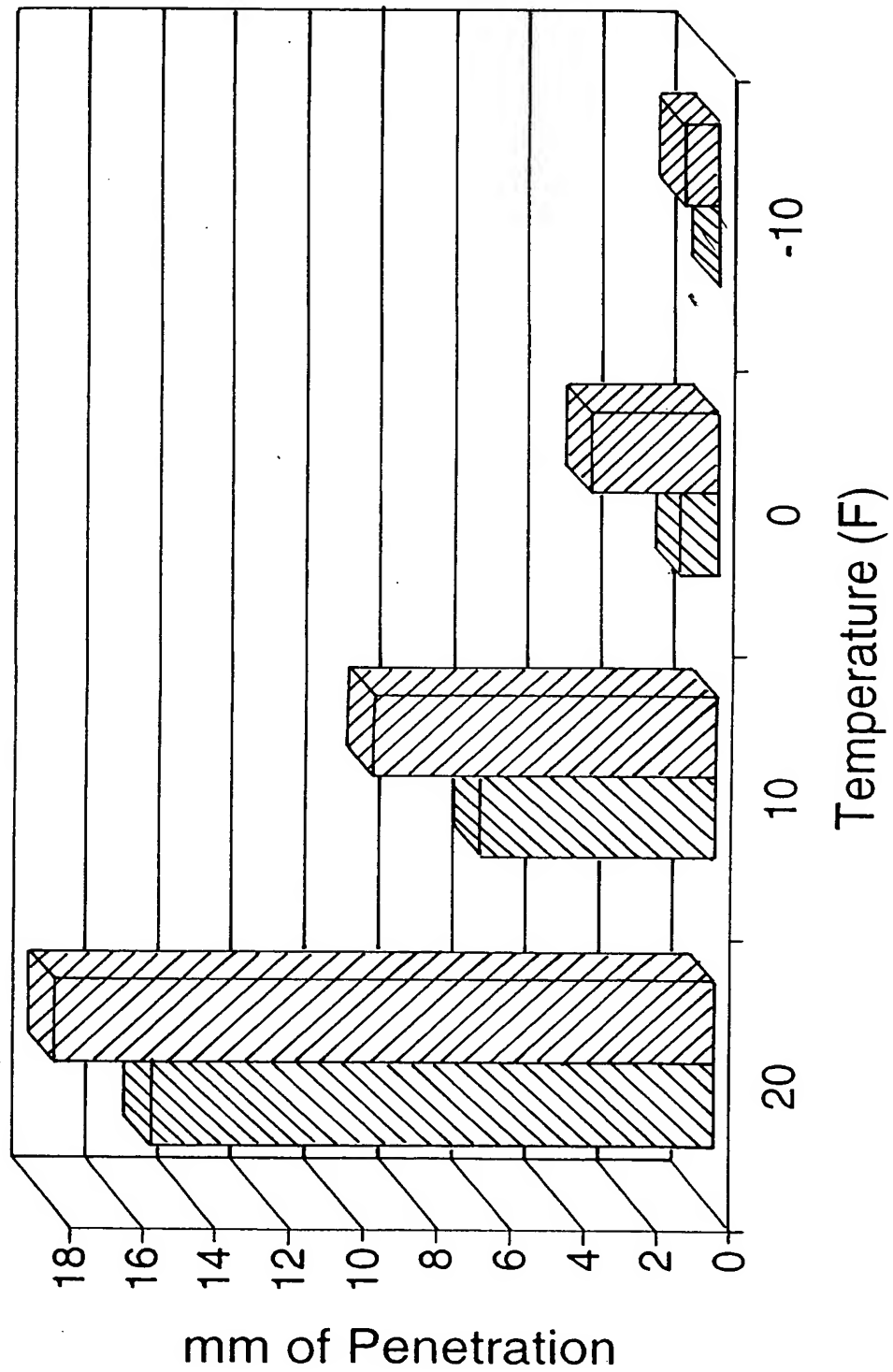
Phase Data

Fig. 3

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% DS	MgCl2	CaCl2	NaCl	Ice Ban M50	Ice Ban M80	Caliber M1000	Caliber C1500	Caliber S1000
4	29	30	28	30	29	29	29	30
5	26	29	27	30	28	27	29	28
6	25	28	26	29	27	26	28	27
7	24	26	24	29	25	25	26	26
8	22	24	23	28	23	23	24	24
9	20	22	22	27	21	22	22	22
10	18	20	20	26	19	20	20	20
11	16	18	19	25	17	18	18	19
12	13	16	17	24	15	16	15	18
13	10	14	16	23	13	14	13	16
14	7	12	14	22	11	11	10	14
15	4	10	12	21	9	8	7	12
16	0	8	11	20	7	5	4	9
17	-3	5	9	19	4	2	1	6
18	-8	2	7	17	1	-2	-2	4
19	-13	-1	5	15	-2	-6	-5	2
20	-17	-4	2	13	-5	-11	-8	0
21	-23	-8	0	12	-8	-17	-11	-2
22	-27	-12	-3	10	-11	-23	-14	-4
23	-20	-16	-5	9	-15	-29	-21	-6
24	-14	-20	1	7	-19	-35	-25	-8
25	-10	-25	13	6	-23	-42	-29	-10
26	-6	-31	28	5	-27	-49	-33	-12
27	-3	-38		4	-31	-56	-37	
28	-1	-46		2	-34	-63	-43	
29	1	-53		1	-37	-71	-49	
30	2	-52		0	-40	-79	-56	
31		-34		-3	-41	-82	-63	
32		-17		-6	-42	-85	-70	
33				-9	-43		-63	
34				-12	-44		-55	
35				-15	-45		-47	
36				-17			-40	
37				-21				
38				-28				
39				-35				
40				-40				

Ice Penetration 60 Minutes



□ Rock Salt □ Caliber Treated Salt

Fig. 4

% Increase in Ice Penetration

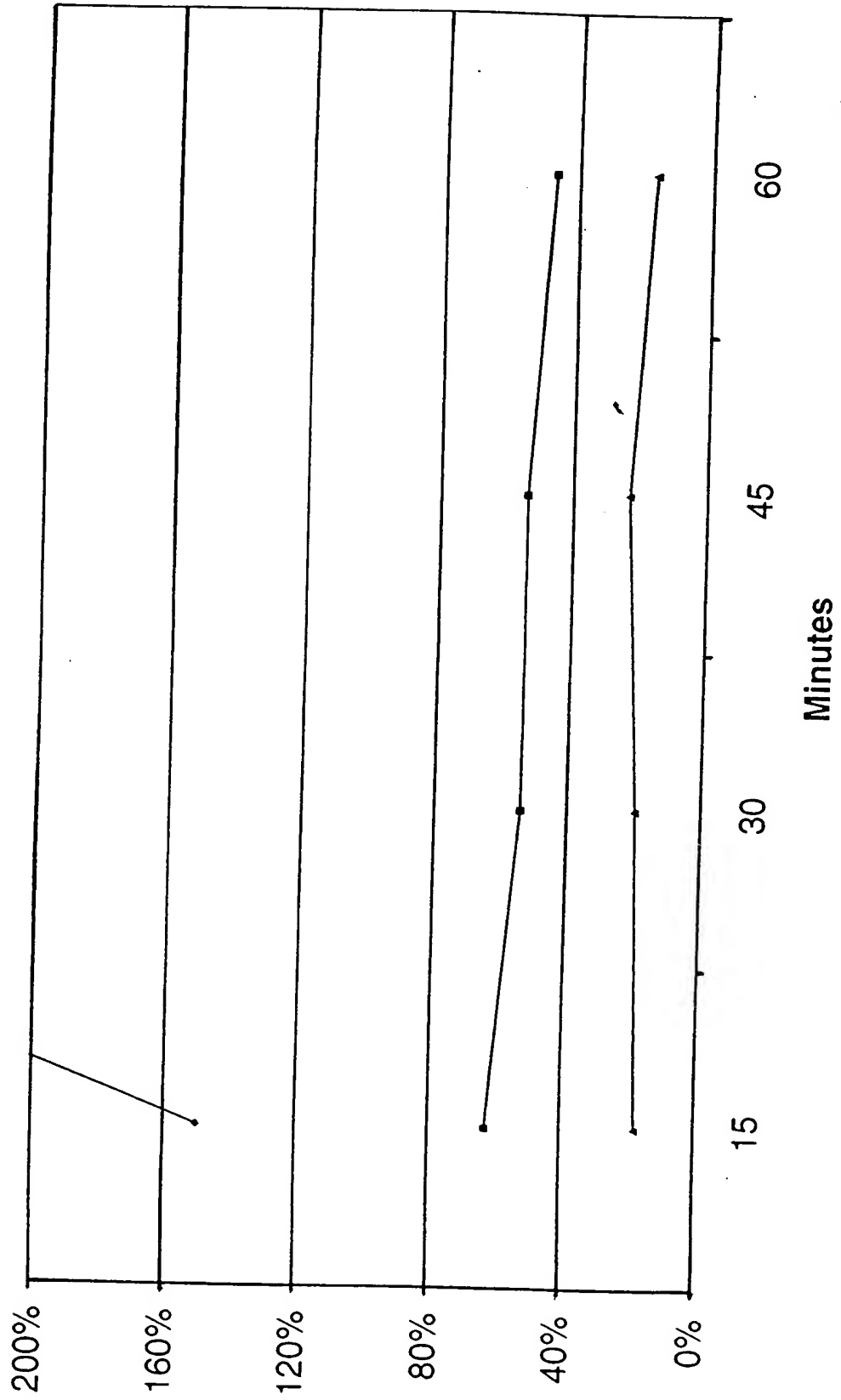


Fig. 5

→ 20 F → 10 F → 0 F

Corrosion Comparison

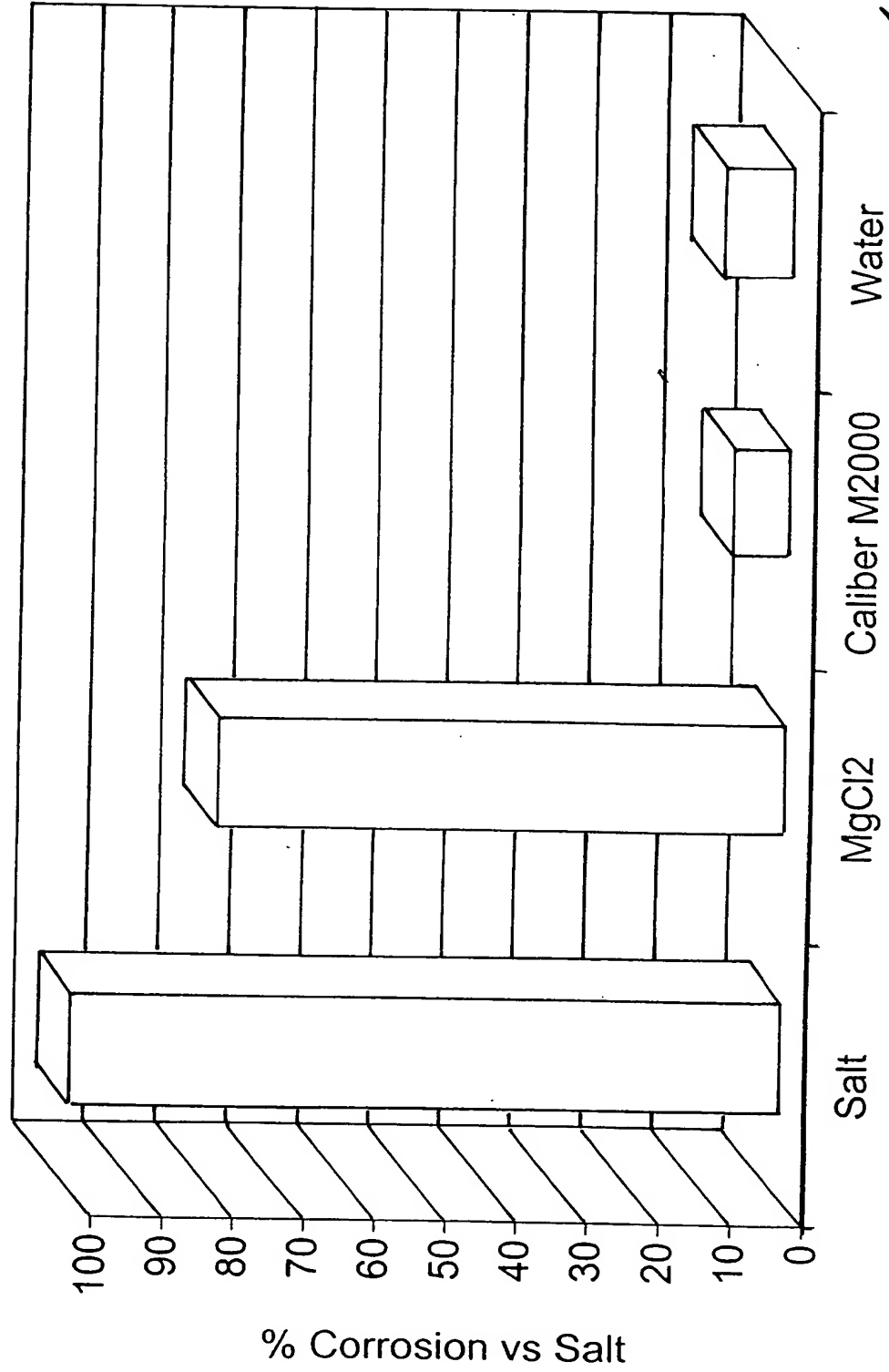
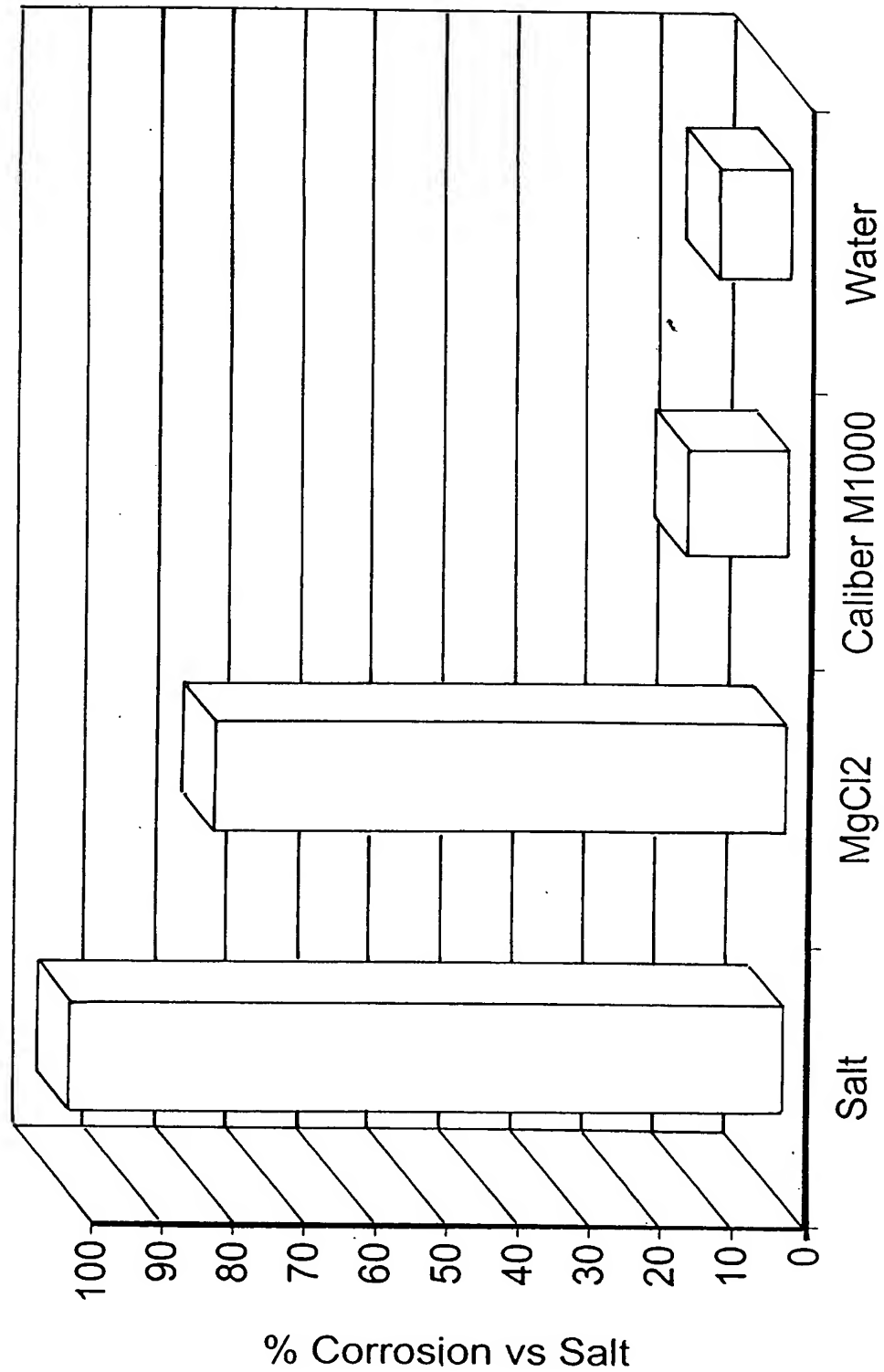


Fig. 6

PNS Method

Fig. 7

Corrosion Comparison



PNS Method

Viscosity Profiles

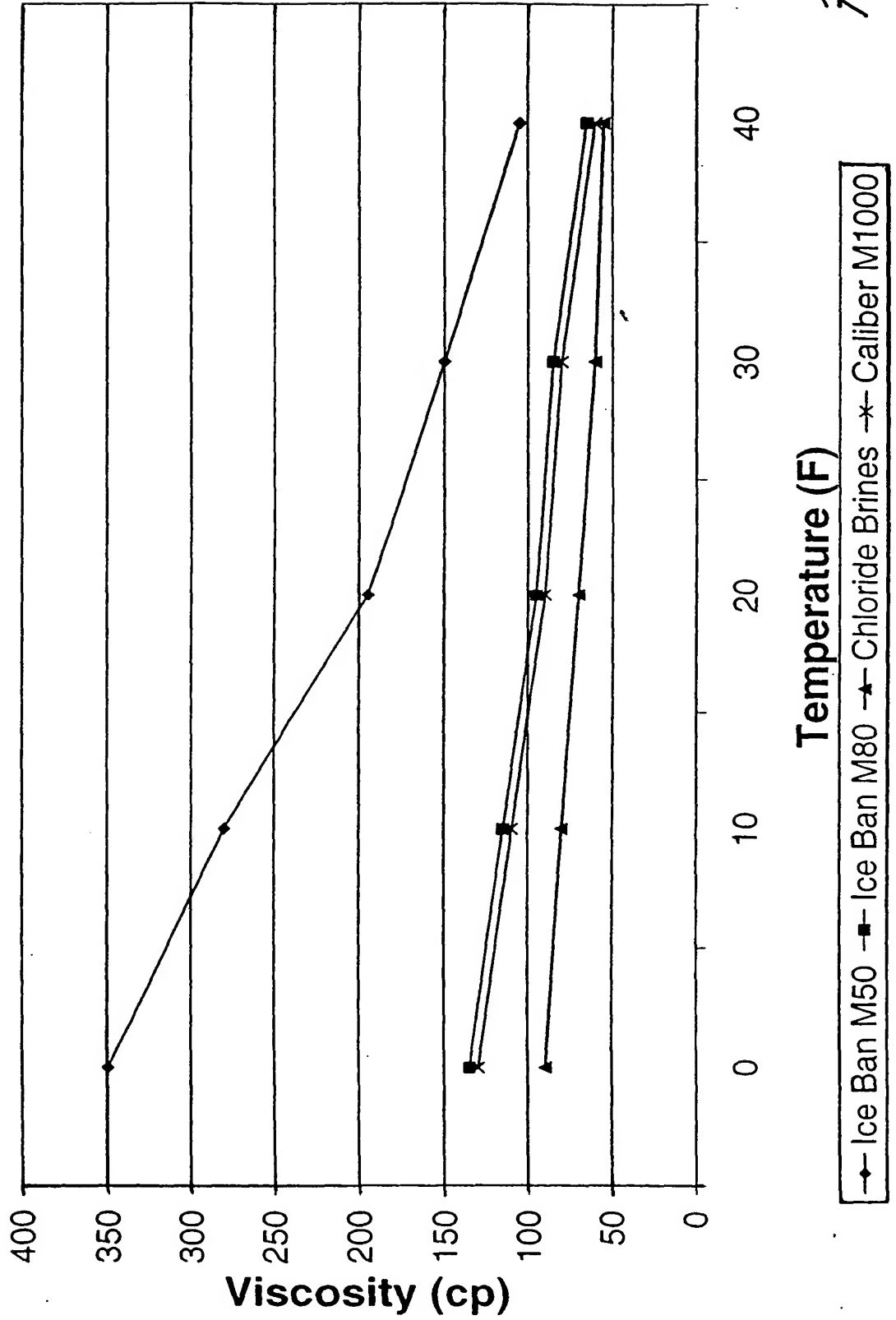


Fig. 8

Friction Values

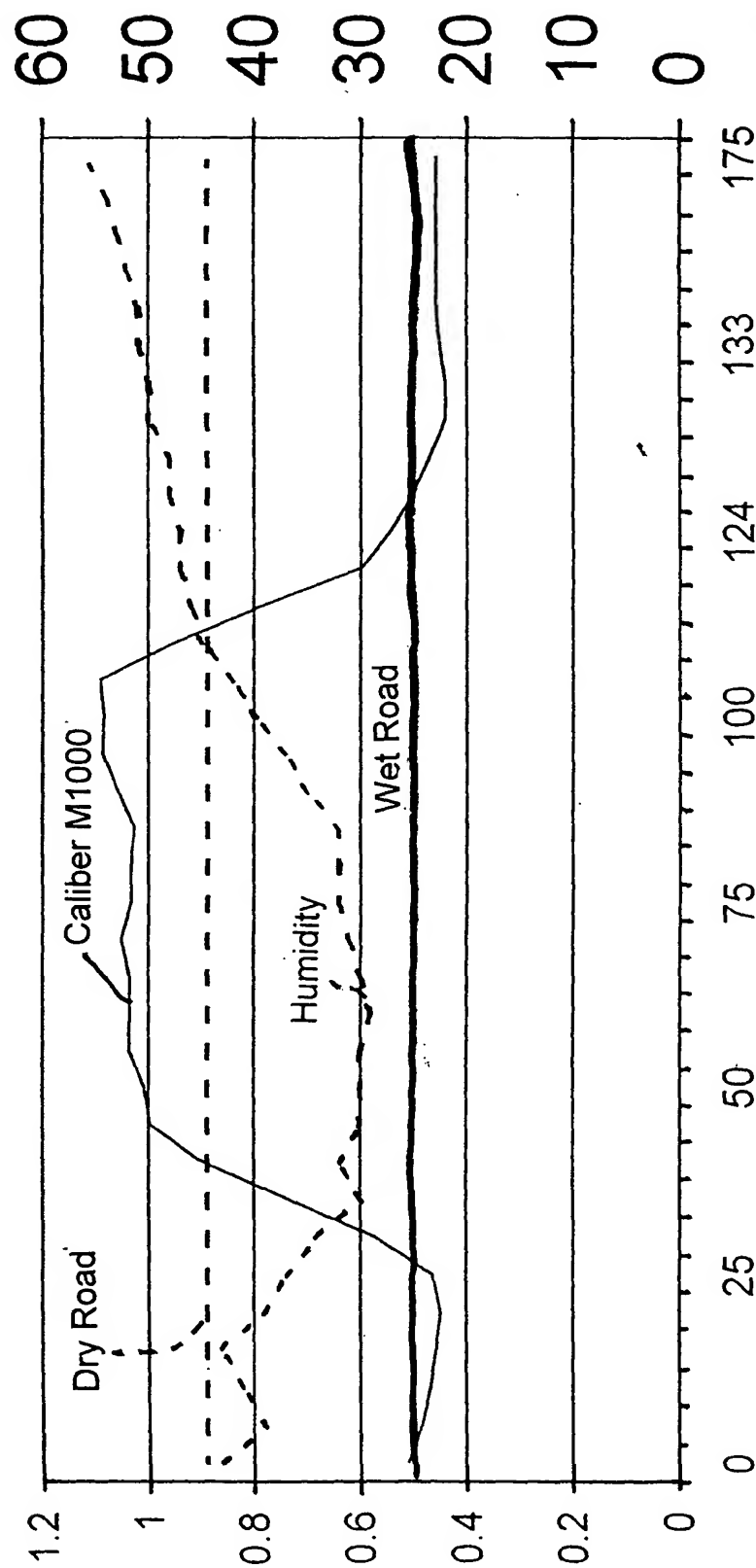


Fig. 9

— Friction ··· Dry Road ··· Humidity (%)